16

Partridge. 1651.

AN ALMANACK FOR

The yeare of the WORLDS Redemption, 1651. And of it's Creation, 5644.

Being the third after Biſſextile or Leape yeare.

Calculated and principally referred to the Longitude and Latitude of the Ancient and Honourable City of *London*, and without ſenſible errour may ſerve for any part of *England*.

Contayning many uſefull and profitable Obſervations, Rules, and Tables neceſſary and fit for ſuch a worke.

Compoſed and made fit for the uſe of all ſorts of men in generall.

By *Seth Partridge*, Surveyor, Practitioner in the *MATHEMATICKS*.

LONDON,
Printed by *J. Bell*, for the Companie of STATIONERS.

BIBLIOTHECA BODLEIANA

The Common Notes, and moveable Feast

for this present yeare, 1651. according both to the English Account, and reformed Account.

	The *English* Accompt.		Reformed Accompt.
The Dominicall Letter			
The Golden Number		18	
The Epact ——		18	
The Circle of the Sun		8	
The Roman Indiction		4	
Shrove Sunday	February	9	February
Easter Day	March	30	April
Rogation Sunday	May	4	May
Ascention Day	May	8	May
Whitsunday	May	18	May
Trinity Sunday	May	25	June
From Christs birth to Shrove Sunday	6 Weeks, 4 day		8 Weeks

The yeare of our Lord God, according to the computation of the Church of *England*, for the date of all Evidences, Records and Writings beginneth the 25. day of *March*. So that the 24. day of *March* is the last day of the yeare 1650. and the 25 day, is the first day of the yeare, 1651.

The bright shining Planet Venus, at the beginning of this year is Occidentall or an evening Star, to be seen a little after Sun set. But about the middle of *February* he beginneth to be Orientall or the bright morning Star, and so in the East before Sun rising, and continueth until the middle of *November*, when he changeth to be Occidentall.

The man in the Zodiaque. Or a discription of the 12. parts of mans body, as they are Attributed to the 12. parts of the Zodiaque, usually called (by the vulgar ignorant) the Anatomy.

Being a thing in those books much desired by such as know no use of it.

The Characters of the Signes, Planets and Aspects with their signification.

♈ *Aries* head and face, ♉ *Taurus* necke and throat, ♊ armes and shoulders, 69. Breast, Stomack, and Ribs, ♌ *Leo* heart and back, ♍ *Virgo* bowels and belly, ♎ *Libra* loynes and reines, ♏ *Scorpio* secret members, ♐ *Sagitarius* thighs, ♑ *Capricornus* knees, ♒ *Aquarius* legge, ♓ *Pisces* the feet.

♄ Saturne, ♃ Jupiter, ♂ Mars, ☉ Sol, ♀ Venus, ☿ Mercury, ☽ Luna.

☌ Conjunction. ⚹ Sextile. □ Quartill. △ Trine. ☍ Opposition ☊ the Dragons head. ☋ the Dragons Tayle.

The Contents of the severall Columnes of this Kalender.

IN the head of every Month under the name thereof, is set forth the Change, Full, and Quarters of the Moone.

Below that in the first and second Columne are the dayes of the Month, and dayes of the Week, according to the English accompt, E being the Sunday Letter; and in the last Columne next the right hand is contained the accompt used beyond the Sea, A being their Sunday letter.

In the third Columne is contained the Festivall dayes, and other dayes of note, used for keeping of Fayres, &c. the beginning and ending of the Terms, with their returns; the Suns entrance into the 12 signes, his place upon severall dayes of the moneth, his rising and setting, and the length of the day.

In the fourth Columne is contained the place of the Moone every day at noone.

In the fifth Columne is contained the Moones age.

In the sixth Columne is contained the places of the Planets at Noone for sundry dayes of the Month, and also the principall Aspects of the Planets one with another.

In the seventh Columne is contained the houre and minute of the Suns rising for every day in the yeare.

For the better understanding of these things, note this by way of example; against the third day of January being Friday, the third Columne sheweth the day to be 8 hours in length; The Moon in 7 Degrees of Libra, by the fourth Columne, and 20 dayes old by the fifth, and the sixth Columne sheweth that on that third day is a Conjunction of Mars and the Moon, at 11 hours after noon.

On the 27 day Sun sets at 4 a clock 33 min. the Moon is in Leo 27 Degrees, and 16 dayes old, and that day is an Opposition of Venus, Mercury and the Moon, at 6 a clock in the forenoon.

Laſt Quarter the 4 day, at a quarter paſt 8. at night.
New Moone the 11 day, 3 quarters of an hour paſt noon.
Firſt Quarter the 18. day, 3. quarters before high noon.
Full Moon the 26. day, 44. min. paſt 3 a clock afternoon.

1	a	Chr. Circum	Virg.	12	19	♄ in 10. 36. ♋	8	2	11
2	b	Sun riſe at 8.	Virg.	25	20	♃ 3. 5. ♐	8	0	12
3	c	day 8. houres	Libra	7	21	☌ ☍ ☽ 11. p	7	58	13
4	d	☉ 24.24 ♒	Libr.	20	22	□ ☿ ☽ 0.	7	57	14
5	e	Simeon	Scor.	3	23	☍ 13. 5. ♎	7	56	15
6	f	Epiphany	Scor.	17	24	☿ 2. 9. ♓	7	55	16
7	g	☉ ſet 4 6.	Sagit.	1	25	☌ ♃ □ ☿ ☽	7	54	17
8	a	Severine	Sagit.	15	26	☿ 26. 57. ♒	7	53	18
9	b	da. 8. h. 16. m	Sagit.	30	27	☍ ♄ □ ☌ ☽	7	52	19
10	c	Sol enters ♒	Capr.	14	28	☌ ☉ ☿ ☽ ☿	7	50	20
11	d	Atlas	Capr.	29	28		7	49	21
12	e	☉ ſet 4 13.	Aqu.	15	1		7	47	22
13	f	Hillary	Aqu.	30	2	☌ ☿ □ ♃ ☽	7	46	23
14	g	da. 8. h. 30. m.	Piſces	14	3		7	45	24
15	a	☉ riſe 7. 42.	Piſc.	29	4		7	44	25
16	b	☉ in ♒ 38.	Aries	13	5	□ ♄ ☽ 5. a	7	42	26
17	c	☉ ſet 4. 19.	Aries	26	6		7	41	27
18	d	Priſca	Tau.	9	7		7	39	28
19	e	Pontian	Tau.	21	8	□ ☿ ☽ 2. p	7	38	29
20	f	Sebaſtian	Gem.	3	9	☌ ♃ ☽ 5. p	7	36	30
21	g	Oct. Hillarii	Gem.	15	10	♄ 9. 7. ♋	7	34	31
22	a	Vincent	Gem.	27	11	♃ 6. 21. ♐	7	33	Febr.
23	b	Terme beg.	Canc.	9	12	☌ ♄ ☽ 11. a	7	31	2
24	c	day 9. hours	Canc.	21	13	☌ 19. 6. ♎	7	30	3
25	d	Conv. of Paul	Leo	3	14		7	28	4
26	e	Septuageſ.	Leo	15	15	☌ ☿ ☿ 20. p	7	26	5
27	f	☉ ſet 4. 33	Leo	27	16	☌ ☿ ☿ ☽ 6. a	7	25	6
28	g	Quint. Hillar.	Virg.	9	17		7	23	7
29	a	Theodore	Virg.	22	18		7	21	8
30	b	Baſill	Libr.	4	19	☿ 27. 50. ♒	7	20	9
31	c	da. 9 h. 22. m.	Libr.	17	20	☌ ☍ ☽ 4. p	7	18	

February hath xxviii. dayes.

Last Quarter the 3. day, a Quarter after 8. a clock before noone.
New Moon the 9. day, 25. min. after 11. in the night.
First Quarter the 17. day, 40. min. after 5. in the morning.
Full Moone the 25. day, at 9. a clock in the morning.

1	d	Bridget	Libr. 30	11	♄ 8. 30. ♑	7	17		1
2	e	Purifi. of Ma	Scor. 13	22	♃ 7. 50. ♐	7	16	☽	12
3	f	da. 9 h. 32. m.	Scor. 27	23	♂ 10. 45. ♎	7	14		13
4	g	☉ Set. 4. 47.	Sagit. 10	24	☌ ☉ ♀ 4. a	7	13		14
5	a	☽ in 26. 54 ♒	Sagit. 25	25	♀ Orientall	7	11		15
6	b	Dorothie	Capr. 9	26		7	10		16
7	c	Auguſtine	Capr. 24	27	□ ☌ ☽ 6. a	7	8		17
8	d	Sol enters ♓	Aqu. 9	28	♀ 23. 2. ♒	7	6		18
9	e	Shrove Sun.	Aqu. 24	29	☌ ♀ ☽ 9. a	7	4	☽	19
10	f	Oſſab. Purif.	Piſces 9	1	□ ♃ ☽ 11. a	7	2		20
11	g	Shrove Twef	Piſces 23	2	☌ ☿ ☽ 6. a	6	59		21
12	a	Terme ends.	Aries 7	3		6	58		22
13	b	da. 10. h. 10. m	Aries 21	4		6	56		23
14	c	Valentine.	Taur. 4	5	☌ ☌ ☽ 11. a	6	55		24
15	d	☉ Set 5. 6.	Tau. 19	6	☿ 21. 50. ♓	6	54	☽	25
16	e	Quadrageſim	Taur. 30	7	△ ♄ ☉ 0.	6	53		26
17	f	☉ in 8. 58. ♓	Gem. 11	8	□ ☉ ♃ 9. p.	6	51		27
18	g	d. 10 h. 20. m.	Gem. 24	9	☿ Retrog.	6	50		28
19	a	Sabin	Canc. 6	10	☌ ♄ ☽ 4. p.	6	47	Mar.	1
20	b	Mildred	Can. 17	11		6	44		2
21	c	☉ Set 5. 18.	Can. 29	12	☌ ♀ ☽ 12. p	6	42		3
22	d	day 10. h. 40.	Leo. 11	13	♄ 7. 55. ♑	6	40		4
23	e	2. Sun. in Len.	Leo. 23	14	♃ 9. 46. ♐	6	38	☽	5
24	f	Mathias Ap.	Virg. 5	15	☌ ☉ ☿ 6. a	6	35		6
25	g	Victor.	Vir. 18	16	☌ ♀ ☽ 4. a	6	32		7
26	a	☉ in 17. 58 ♓	Libr. 1	17	□ ♄ ☽ 12. p	6	30		8
27	b	da. 11. h. 6. m.	Lib. 14	18	☌ ☌ ☽ 10. p	6	27		9
28	c	Roman	Lib. 27	19		6	24		10

March hath xxxi. dayes.

Last Quarter neare 5. a clock in the afternoon.
New Moone the 11 day, 26 min. past 10. in the forenoon.
First quarter the 18 day, a little after midnight.
Full moon the the 26. day, a quarter past a 11. at night.

1	b	David	Scor. 10	20	☐ ♄ ☿ 17. p	6 23		11	
2	c	Chad	Scor. 24	21	☐ ☿ ☽ 4. a	6 20	♎	12	
3	d	d. 11.h.44 m.	Sagit. 7	22	☌ ♄ ☽ 4. p	6 18		13	
4	e	☉ Set. 5.44.	Sagit. 21	23	△ ☌ ♀ 6. a	6 16		14	
5	f	☉ in 24.56 ♑	Capr. 5	24	☌ ♄ ☽ 4. a	6 14		15	
6	g	Fridlin	Capr. 19	25		6 11		16	
7	a	Perpetua	Aqur. 3	26		6 9		17	
8	b	Felix	Aqu. 18	27	☌ ♀ ☽ 3. p	6 6		18	
9	c	4 Sun. in lent.	Pisces 2	28	☌ ☿ ☽ 6. p	6 3	♏	19	
10	d	Sol enters ♈	Pisc. 17	29	☐ ☌ ☽ 1. a	6 0		20	
11	e	day 12 hour.	Aries 1	30	☐ ♄ ☽ 11. p.	5 58		21	
12	f	Gregory	Aries 15	1	☌ ☌ ☽ 1. p	5 57		22	
13	g	☉ Set 6. 4.	Aries 29	2	♄ 8. 8. ♋	5 56		23	
14	a	☉ in 3.50 ♉	Taur. 12	3	♃ 10. 25. ♐	5 54		24	
15	b	Longinus	Taur. 25	4	☌ ♄ 5. 37. ♎	5 52		25	
16	c	5. Sun. in lent	Gem. 7	5	☿ 24. 18. ♒	5 50	♐	26	
17	d	d. 12.h.24.m.	Gem. 20	6	☿ 9. 58. ♓	5 48		27	
18	e	Edward K.	Canc. 2	7	☐ ☉ ♄ 12. p	5 46		28	
19	f	Joseph	Canc. 14	8	☌ ♄ ☽ 1. a	5 44		29	
20	g	Cuthbert	Canc. 26	9		5 42		30	
21	a	Benedick	Leo 7	10	△ ♃ ☉ 4. a	5 40		31	
22	b	☽ set 6. 21.	Leo 19	11	☌ ☿ ☽ 18. p	5 39	April		
23	c	Palm Sunday	Virg. 1	12	☌ ☉ ☌ 1. a	5 37	♑	2	
24	d	d. 12. h. 48. m.	Verg. 14	13	☌ ☿ ☽ 3. p	5 36		3	
25	e	Annucia Ma.	Verg. 27	14		5 34		4	
26	f	☉ in 5.38 ♎	Libr. 5	15	☌ ☌ ☽ 3. p.	5 32		5	
27	g	day 13. hou.	Libr. 23	16		5 30		6	
28	a	☽ set 6 h. 32	Scorp. 6	17		5 28		7	
29	b	Quintine	Scor. 20	18	☌ ♃ ☽ 10. p.	5 26		8	
30	c	Easter day	Sagit. 4	19	☐ ☿ ☽ 10. p	5 24	♑	9	
31	d	d. 13.h.16.m.	Sagit. 17	20		5 22		10	

Aprill hath xxx. dayes.

Last Quarter the 2 day, 14. min. after 11. at night.
New Moone the 9 day, at 10. a cloek at night.
First Quarter the 17. day, 40 min. past 7. at night.
Full Moone the 25. day, neer 11. before noone.

1	F	day 13.h.20m	Capr. 2	21	☌ ♄ □ ☌ ☽.12	5	20	11
2	a	☉ set 6. 42.	Capn 16	21	♃ 9. 57. ♐	5	18	12
3	b	☉ in 23.28 ♈	Capr. 30	23	□ ♄ ☌ 5.6.p	5	16	13
4	c	Ambroſe	Aqu. 14	24	♄ 9. 6. ♋	5	14	14
5	d	Vinſent	Aqu. 28	25	□ ♄ ♀ 6. p	5	12	15
6	e	Low Sunday	Piſc. 12	26	☌ ♀ ☽ 7. a	5	10	16
7	f	d. 13. h. 46. m	Piſc. 26	27	☌ 7. 35. ♎	5	7	17
8	g	☉ ſet 6. 52.	Aries 10	28	☌ ♀ ☽ 3. a	5	4	18
9	a	Ezechiell	Aries 24	29	☌ ☌ ♀ 2. p	5	2	19
10	b	Sol enters ♉	Taur. 7	1	♀ 14. 3. ♓	5	0	20
11	c	da. 14. hours	Taur. 20	2	□ ♄ ♀ 7. a	4	58	21
12	d	☉ ſet 7. 6.	Gem. 3	3	♀ 11. 32. ♈	4	57	22
13	e	Miſ. Dom.	Gem. 15	4	□ ♀ ☽ 2. p	4	55	23
14	f	Quind. paſ.	Gem. 28	5	☌ ♄ ☽ 23. p	4	53	24
15	g	Olimpia	Canc. 9	6	□ ☌ ☽ 2 a	4	54	25
16	a	Terme begin	Canc. 21	7	♄ 10. 2. ♋	4	53	26
17	b	da. 14. h. 16.	Leo 3	8	♃ 8. 50. ♐	4	52	27
18	c	☉ in 8. 2. ♉	Leo. 15	9	☌ 4. 45. ♎	4	50	28
19	d	Alphage	Leo 27	1	♀ 22. 43 ♓	4	48	29
20	e	Iubilate	Virgo 9	11	□ ♃ ☽ 9. a	4	46	30
21	f	Tres paſche	Virg. 21	12	☌ ♀ ☽ 5. p	4	44	May
22	g	d. 14. h. 56. m.	Libr. 4	13	☌ ☌ ☽ 10. a	4	42	2
23	a	S. George	Libr. 18	14	♀ .. 50. ♉	4	40	3
24	b	Albert,	Scor. 1	15	☌ ♀ ☽ 4. p	4	39	4
25	c	Mark Evan.	Scor. 15	16		4	37	5
26	d	☉ ſet 7. 25.	Scor. 29	17		4	35	6
27	e	☉ in 16. 44 ♉	Sagi. 13	18	☌ ♃ ☽ 2. a	4	33	7
28	f	Minſe paſ.	Sagi. 28	19	☌ ♄ □ ☌ ☽	4	31	8
29	g	da. 15 h. 6. m.	Capr. 12	21		4	27	9
30	a	Erkin	Capr. 27	21	☌ ☌ ♀ 2. a	4	24	10

Last Quarter the 2. day, 3. quatters after 4. in the morn.
New Moone the 9. day, 47. min. after 10. before noone.
First Quarter the 17. day, near 1. afternoone.
Full Moon the 24. day, 55. min. after 7. at night.
Last Quarter the last day, 40. min. after 10. before noon.

1	b	Phil.& Jacob	Aqu. 10	22	☐ ☿ ☽ 20. p	4	22		11
2	c	d. 15.h.38.m	Aqu. 25	23	☌ ☉ ♀ 9. P	4	21		12
3	d	☉in 22.30.♉	Pisc. 9	24	△ ☿ ♀ 11. a	4	20		13
4	e	Rogat. Sund.	Pisc. 23	25	♄ 11. 40. ♋	4	19	♌	14
5	f	Qnin. pas.	Aries 6	26	☌ ♀ ☽ 5. p.	4	17		15
6	g	☉ set 7. 45.	Aries 20	27	☿ 6. 45. ♐	4	15		16
7	a	Jo. Beverly	Taur. 3	28	☐ ♄ ♀ 13. p	4	13		17
8	b	Ascen. day	Taur. 16	29	△ ♂ ♀ 11. a	4	12		18
9	c	Craft Ascen.	Taur. 29	30	☍ ☿ ♀ 6. p	4	11		19
10	d	da. 15.h. 40.m	Gem. 13	1	☌ 3. 52. ♎	4	10		20
11	e	Sol enters ♊	Gem. 23	2	☌ Direct.	4	9	♍	21
12	f	Terme end	Canc. 6	3	♀ 16. 48. ♈	4	7		22
13	g	☉ set 7. 54.	Canc. 18	4	☌ ♄ ☽ 1. a	4	6		23
14	a	Bonifacе	Canc. 29	5		4	5		24
15	b	Isidore	Leo 11	6		4	3		25
16	c	Peregrine	Leo 23	7	☍ ☿ ☉ 12. p	4	2		26
17	d	day 16. hours	Virgo 5	8	♀ 21. 56. ♊	4	1		27
18	e	Whit. Sund.	Virg. 17	9	☐ ☿ ☽ 14. p	3	59	♎	28
19	f	☉ in 7. 50. ♊	virg. 30	10	☌ ☌ ☽ 9. p	3	58		29
20	g	☉ set 8. 4.	Libra 12	11	☐ ♄ ☽ 1. p	3	56		30
21	a	Julian	Libra 26	12	☍ ☿ ☽ 1. p	3	55		31
22	b	Julian	Scorp 9	13		3	54	June	
23	c	Domin tran.	Scor. 29	14		3	53		2
24	d	d. 16.h. 14.m	Sagit. 8	15	☌ ☿ ☾ 6. a	3	53		3
25	e	Trin. Sund.	Sagit. 22	16	☐ ☌ ☿ 14. p	3	52	♏	4
26	f	Beda	Capr. 7	17	☍ ☿ ☽ 19. a	3	52		5
27	g	☉ in 15. 28. ♋	Capr. 22	18	♄ 14. 12. ♋	3	52		6
28	a	☉ set. 8 9.	Aqu. 7	19	☿ 4. 5. ♐	3	51		7
29	b	Corpus Chri.	Aqu. 22	20	☐ ☌ ☽ 8. a	3	51		8
30	c	Terme beg.	Pisc. 6	21	☌ 7. 44. ♎	3	50		9
31	d	d. 16.h.20.m	Pisc. 20	22	☌ ♄ ♀ 22. p	3	50		10

June hath xxx. dayes.

New Moone the 7. day, halfe an houre after mid night.
First Quarter the 16. day, at 4. in the morning.
Full Moon the 23 day, 20. min. past 3. in the morning.
Last Quarter the 29 day, 28 min. past 6. in the morning.

1	F	day 16. 20.	Aries	3	23	☌ ☌ ☽ 9. p	3	50	♈	11
2	G	☉ Set 8. 11.	Aries	16	24	□ ♄ ☽ 9. a	3	49		12
3	A	☉ in 22. 9. ♉	Aries	29	25	♄ 15. 1. ♋	3	49		13
4	a	Petrocie.	Taur.	12	26	☌ ☿ ☽ 11. a	3	49		14
5	b	doniface.	Taur.	25	27	☿ 3. 9. ♌	3	48		15
6	c	Claudius.	Gem.	7	28	☌ ☿ ☽ 3. a	3	48		16
7	d	Wolstan.	Gem.	20	29	☌ 10. 17. ♎	3	48		17
8	E	day 16. 26.	Canc.	2	1	♀ 17. 8. ♂	3	47	♊	18
9	f	☉ in 27. 51 ♊	Canc.	14	2	☌ ♄ □ ☌ ☽ 4. a	3	47		19
10	g	☉ Set 8. h. 13	Canc.	26	3	♀ 22. 41. ♋	3	47		20
11	a	Sol enters ♋	Leo	8	4		3	47		21
12	b	Basill.	Leo	20	5	□ ♀ ☽ 3. p	3	47		22
13	c	Cyrell.	Virg.	2	6	□ ☿ ☽ 1. p	3	47		23
14	d	Valerius.	Virg.	14	7		3	47		24
15	e	Modestius.	Virg.	26	8		3	48	♋	25
16	f	Crist. Trinit.	Libr.	8	9	☌ ☌ ☽ 10. p	3	48		26
17	g	☉ in 5. 28 ♋	Libr.	21	10	□ ♄ ♀ ☽ 4. a	3	48		27
18	a	Terme ends	Scorp.	4	11	♄ 16. 55. ♋	3	48		28
19	b	Grevasius.	Scor.	17	12	☿ 1. 49. ♌	3	48		29
20	c	Silverius.	Sagit.	1	13	☌ ☿ ☽ 1. p	3	49		30
21	d	d. 16. h. 22. m.	Sagit.	16	14	☌ ☿ ♀ 3. a	3	49	July	1
22	e	Alban Martyr	Capr.	1	15	☌ 16. 8. ♎	3	49	♋	2
23	f	☉ Set 8. 10.	Capr.	16	16	☌ ♄ ☽ 2. p	3	50		3
24	g	John Baptist.	Aqu.	1	17	♀ 5 38. ♊	3	50		4
25	a	Adelph.	Aqu.	16	18	♀ 23. 26. ♋	3	51		5
26	b	John & Paul.	Pisc.	1	19	□ ♄ ☌ 1. p	3	52		6
27	c	7 Sleepers.	Pisc.	16	20		3	53		7
28	d	d. 16. h. 10. m.	Pisc.	29	21		3	54		8
29	e	Peter Apost.	Aries	13	22	☌ ☌ ☽ 10. p	3	55	♌	9
30	f	☉ Set 8. 4.	Aries	26	23	☌ ♄ ☉ 16. p	3	56		10

July hath xxxi. dayes.

New Moon the 7. day, 8. min. past 3. afternoone.
First Quar. the 15. day, at 24. min. past 4. afternoon.
Full Moon the 22. day, at 8. min. past 10. before noone.
Last Quarter the 29. day, at 5. in the morning.

1	S	Theobaldus	Tau.	9	24			3	57	11
2	a	Visita. Mary	Tau.	22	25	☌☉☿ 2. a		3	57	12
3	b	Trans. Tho.	Gem.	4	26	☌♄☿ 1. a		3	58	13
4	c	Ulricus	Gem.	17	27	☌♀□♂☉		3	59	14
5	d	Anselmus	Gem.	25	28	♄ 19. 4. ♋		4	0	15
6	e	Hector	Can.	11	29	☌☿☽ 10. p.		4	2	16
7	f	da. 15. h 54. m	Can.	23	30	☌♄☾ 4. a		4	3	17
8	g	☉ in 25. 28 ♋	Leo	5	1	♄ 19. 27. ♋		4	5	18
9	a	☉ set 7. 52.	Leo	17	2	♅ 0. 47. ♐		4	6	19
10	b	☽ broth. Mar.	Leo	29	3	☌ 24. 53. ♎		4	8	20
11	c	Pius	Virg.	10	4	♅ 00. 25. ♎		4	9	21
12	d	Nabor	Virg.	22	5	□♀☽ 9. p		4	11	22
13	e	Sol enters ♌	Libr.	4	6	□♄☿☽ 7. a		4	12	23
14	f	d. 15. h. 32. m.	Libr.	17	7	☌ 27. 1. ♎		4	13	24
15	g	Swithen	Libr.	29	8	♀ 0 24. ♋		4	14	25
16	a	☉ set 7. 45.	Scor.	12	9	♅ Satio		4	15	26
17	b	☉ in 4. 34. ♌	Scor.	25	10	♅☌☽ 7. p		4	16	27
18	c	Rosina	Sagit.	6	11			4	17	28
19	d	Ruffine	Sagit.	11	12	☿ 17. 1. ♋		4	18	29
20	e	Deg da. beg.	Capr.	9	13	☍♀☽ 6. a		4	19	30
21	f	da. 15. h 20. m	Capr.	24	14	☌☿☽ 3. a		4	20	31
22	g	Mary Mag.	Aqu.	9	15			4	21	Aug.
23	a	Apoline	Aqu.	24	16	□♅☽ 8. p		4	22	2
24	b	Christian	Pisc.	10	17	☌♄☿ 10. a		4	23	3
25	c	James Apost.	Pisc.	24	18			4	24	4
26	d	da. 15. h. 10. m	Aries	8	19	□♄☽ 22. p		4	25	5
27	e	☉ set 7. 30.	Aries	22	20	□♀☽ 8. p		4	27	6
28	f	☉ in 14. 35 ♌	Taur.	6	21	☌☌☽ 9. a		4	29	7
29	g	Beatrix	Taur.	19	22			4	31	8
30	a	Abdon	Gem.	1	23	△♅☿ 6. p		4	33	9
31	b	Germanus	Gem.	14	24			4	35	10

Auguſt hath xxxi. dayes.

New moon the 6 day, halfe an houre paſt 0 before noon.
Firſt quarter the 14 day, 40. min. paſt 2 in the morning.
Full Moone the 20. day, halfe an houre paſt 5. at night.
Laſt quarter the 27 day, 27 min. paſt 6. at night.

1	f	Lammas day	Gem.	26	25		4 38		11
2	g	d. 14. h. 40. m.	Canc.	8	26	☌ ♄ ☿ 12. p	4 40		12
3	A	☉ in 20. 2 ♌	Canc.	20	27	☌ ♄ ☿ ☽ 6. p	4 43	♎	13
4	b	☉ ſet 7. 16.	Leo	2	28	□ ☌ ♀ 9. a	4 44		14
5	c	Oſwald	Leo	14	29	☌ ☿ ☽ 5. a	4 46		15
6	d	Sextus	Leo	25	30	□ ☌ ☽ 10. p	4 48		16
7	e	d. 14. h. 20. m	Virg.	7	1	♄ 23. 11. ♋	4 50		17
8	f	Cyrack	Virg.	19	2	♃ 1. 15. ♐	4 52		18
9	g	Roman	Libra	2	3	☌ 11. 58. ♏	4 54		19
10	A	Laurence	Libr.	14	4	□ ♄ ☽ 6. a	4 56	♎	20
11	b	da. 14 h. 2. m.	Libr.	26	5	☌ ☌ ☽ 8. p	4 58		21
12	c	☉ ſet 7. 1.	Scorp.	9	6	□ ☿ ☽ 9. p	4 59		22
13	d	Colenters ♍	Scor.	22	7	☌ ♃ ☽ 16. p	5 1		23
14	e	Euſebius	Sagit.	5	8	☿ 6. 36. ♌	5 3		24
15	f	Aſſum. Mary	Sagit.	19	9	□ ♃ ☉ ☿ 7. a	5 5		25
16	g	Rochus	Capr.	3	10	☌ ☉ ☿ c.	5 6		26
17	A	Jeroine	Capr.	18	11	☌ ♄ ☽ 9. p	5 8	♎	27
18	b	Helena	Aquar.	3	12	☿ 6. 52. ♍	5 10		28
19	c	Sebaldus	Aqua.	18	13	☌ ☿ ☽ 3.	5 12		29
20	d	Lewes	Piſc.	3	14		5 14		30
21	e	da. 13 h. 28. m	Piſc.	18	15		5 16		31
22	f	☉ ſet 6. 42.	Aries	3	16		5 18	Sept.	
23	g	☉ in 9. 39. ♍	Aries	17	17	□ ♄ ☽ 12. p	5 20		2
24	A	Bartholmew	Taur.	1	18		5 21	♎	3
25	b	Ludovicus	Taur.	14	19	☌ ☌ ☽ 14. p	5 23		4
26	c	Gebhard	Taur.	27	20	☌ ♃ ☽ 9. p.	5 25		5
27	d	Dog day. end	Gem.	10	21	□ ☉ ☽ 7. p	5 27		6
28	e	Auguſtine	Gem.	23	22	□ ☿ ☽ 5. p	5 30		7
29	f	day. 13. ho.	Canc.	5	23	□ ☌ ☿ 12. p	5 31		8
30	g	☉ ſet 6. 27.	Canc.	18	24	△ ♄ ☌ 13. p	5 33		9
31	A	☉ in 17 25 ♍	Canc.	28	25	☌ ♄ ☽ 6 a	5 35	♎	10

New Moone the 4 day, at 11 a clock at night.
First Quarter the 12. day, a little before noone.
Full Moone the 19. day, 36. min. after 2. in the morning.
Last Quarter the 26 day, halfe an houre before high noon.

1	f	d. 12.h.44.m	Leo	10	26			5	37	11
2	g	☉ set 6. 20.	Leo	22	27	☐ ♂ ☽ 10. p		5	40	12
3	a	Gregory	Virg	4	28	☐ ♃ ☽ 10. a		5	42	13
4	b	Theodosius	Virg.	16	29			5	44	14
5	c	Zacharias	Virg.	28	1	☐ ♃ ♀ 7. p		5	45	15
6	d	Magnus	Libr.	11	2	♂ ♀ ☽ 9. a		5	47	16
7	e	☉ in 24. 15 ♍	Libr.	23	3	☐ ♄ ☽ 5. p		5	49	♓ 17
8	f	Nativ. Mary	Scor.	6	4			5	50	18
9	g	Gorgon	Scor.	19	5			5	52	19
10	a	Martin	Sagit.	2	6	♂ ♃ ♂ ☽ 2. p		5	55	20
11	b	day, 12. ho.	Sagit.	16	7	♄ 26. 47. ♋		5	57	21
12	c	Sol enters ♎	Sagit.	29	8	♃ 4. 4. ♐		6	0	22
13	d	Amatus	Capr.	13	9	♂ 4. 55 ♐		6	1	23
14	e	Holy Crosse	Capr.	28	10	♂ ♃ ♂ ☊.		6	3	♓ 24
15	f	Nichodeme	Aqu.	12	11	♀ 16. 0. ♍		6	5	25
16	g	Euphemia	Aqu.	27	12	☿ 24. 46. ♎		6	7	26
17	a	Lambert	Pisc.	12	13	☐ ♃ ♂ ☽ ☊.		6	9	27
18	b	Feriolus	Pisc.	26	14	☐ ♄ ☿ 8. a		6	11	28
19	c	d. 11.h.32.m	Aries	10	15	♂ ♀ ☽ 8. p		6	14	29
20	d	☉ set 5. 44.	Aries	24	16	☐ ♄ ☽ 3. p		6	16	30
21	e	Matthew Ap.	Taur.	9	17			6	21	♈ 1
22	f	☉ in 9. 0. ♎	Taur.	23	18			6	23	2
23	g	Eseras	Gem.	6	19	♂ ♃ ☽ 1. p		6	26	3
24	a	Samuel	Gem.	18	20	♂ ♂ ☽ 0. a		6	28	4
25	b	day 11. ho.	Canc.	1	21	☐ ♀ ☽ 6.		6	30	5
26	c	Cyprian	Canc.	13	22			6	3	6
27	d	Judith	Canc.	25	23	♂ ♄ ☽ 5. p		5	32	7
28	e	☉ set 5. 27.	Leo	7	24	☐ ♀ ☽ 6. p		6	33	♉ 8
29	f	Mich. Arch.	Leo	19	25			6	34	9
30	g	☉ in 16. 55 ♐	Virg.	1	26			6	35	10

October hath xxxi. dayes.

New Moon the 4. day, 3 quarters past 1. afternoone.
First Quarter the 11. day, a quarter past 6. at night.
Full Moone the 18. day, at 2. a clock afternoone.
Last Quarter the 26. day, 20. min. past 7. beforenoone.

1	a	d. 10.h.50.m	Virg.12	27	☐ ♂ ☽ 10 p	6	35		11	
2	b	☉ set 5.32.	Virg.24	28	♄ 28. 15. ♋	6	38		12	
3	c	☉ in 19.53 ♎	Libr. 7	29	♃ 8. 27. ♐	6	40		13	
4	d	Franciscus	Libr. 20	30	♂ ☿ ☽ 2. p	6	42		14	
5	e	Apolinary	Scor. 2	31	☐ ♄ ☽ 3. a	6	44		15	
6	f	d. 10.h.28.m.	Scor. 15	32	♂ ☿ ☽ 2. p	6	46		16	
7	g	Pelagius	Scor. 29	33	♂ 22. 0. ♐	6	48		17	
8	a	Gedeon	Sagit.13	34	♂ ♂ ☽ 5. a	6	50		18	
9	b	Dionesius	Sagit.26	35	♂ ♃ ☽ 8. a	6	54		19	
10	c	Triphon	Capr.10	36	☐ ☿ ☽ 12. p	6	56		20	
11	d	Nicase	Capr.24	37	☿ 18. 26. ♋	6	58		21	
12	e	Walfrid	Aqu. 8	38	☐ ♄ ☉ 8. a	7	0		22	
13	f	Sol enters ♏	Aqu. 22	39	☐ ☿ ☽ 6. a	7	2		23	
14	g	day 10. hou.	Pisc. 7	40	☐ ♅ ☽ 5. p	7	4		24	
15	a	☉ set 4. 12	Pisc. 21	41	☐ ♂ ☽ 12 p	7	6		25	
16	b	☉ in ♏ 2, 51	Aries 5	42	☿ 18 22. ♏	7	8		26	
17	c	Flourence	Aries 19	43	♂ ☿ ☽ 11. p	7	10		27	
18	d	Luke Evan	Tau. 3	44	♂ ☿ ☽ 21. p	7	12		28	
19	e	Ptolomie	Taur.17	45	☐ ♄ ☿ 8. p	7	14		29	
20	f	d 9.h. 30 .m	Gem. 1	46		7	15		30	
21	g	Ursula	Gem. 14	47		7	17		31	
22	a	Cordula	Gem. 27	48		7	19		Nov	
23	b	Terme beg.	Canc. 9	49	♂ ☉ ☿ 9. p	7	20			
24	c	Salome	Canc. 21	50	♂ ♂ ☽ 13. p	7	22			
25	d	Crispine	Leo 3	51	♂ ♄ ☽ 3. a	7	24			
26	e	Blackfri. fall	Leo 15	52	♂ ☿ ☿ 10. a	7	28			
27	f	Florence	Leo 27	53	♄ 29. 3. ♋	7	30			
28	g	Simon & Ju.	Virg. 8	54	♃ 13. 26. ♐	7	31			
29	a	Mens Mich.	Virg.20	55	♂ 8. 24. ♑	7	32			
30	b	d. 8. h. 56.m.	Libr.	56	☿ 12. 18. ♏	7	33			
31	c	☉ set 4. 27.	Libr. 10	57	☿ 3. 35. ♏					

November hath xxx. dayes.

New Moon the 3. day, 17. min. past 4. in the morning.
First Quarter the 10. day 37. min. past 1. in the morning.
Full Moone the 17 day, 10. min. past 4. in the morning.
Last quarter the 25. day 13. min. past 4. in the morning

1	b	All Saints	Libra	28	28	☌ ☿ ☽ 9. p.	7	34		11
2	c	All Soules	Scor.	11	29	☌ ♀ ☽ 9. p	7	36	☊	12
3	d	Theophil.	Scor.	25	30	♄ 29. 6. ♋	7	37		13
4	e	Cra. Anim.	Sagit.	7	1	☌ ♃ ☽ 10. p	7	39		14
5	f	Powder Tre.	Sagit.	21	2	☿ 15. 10. ♐	7	40		15
6	g	Leonard	Capr.	7	3	♂ 14. 28. ♍	7	42		16
7	a	day 8. 36.	Capr.	21	4	☌ ♂ ☽ 2. a	7	43		17
8	b	☉ in 26 2. ♏	Aqu.	5	5	☍ ♄ ☽ 13. p	7	45		18
9	c	☉ set 4. 14.	Aqu.	19	6	□ ♀ ☽ 9. p	7	46	☋	19
10	d	Iustus	Pisc.	3	7		7	48		20
11	e	Martine	Pisc.	17	8	□ ♃ ☽ 9. a	7	49		21
12	f	Sol enters ♐	Aries	1	9	△ ♄ ♀ 5. p	7	50		22
13	g	Brice	Aries	15	10	□ ♂ ☽ 8. p	7	52		23
14	a	day 8. 14.	Aries	29	11	□ ♄ ☽ o.	7	53		24
15	b	☉ set 4. 6.	Taur.	12	12	☍ ☿ ☽ 3. p	7	54		25
16	c	Edmund	Taur.	25	13	☍ ♀ ☽ 16. p	7	55	☊	26
17	d	Hugh	Gem.	9	14	☌ ☉ ♀ 11. p	7	56		27
18	e	Elizab. Mart.	Gem.	22	15	☍ ♃ ☽ 4. a	7	57		28
19	f	Elizabeth	Canc.	4	16	♀ 17. 29. ♐	7	58		29
20	g	Amos	Canc.	17	17	☿ 21. 38. ♏	8	0		30
21	a	Oblat. Mar.	Can.	29	18	☌ ♄ ☽ o.	8	1		Dece
22	b	day 7. 56.	Leo	11	19		8	2		2
23	c	Clements	Leo	23	20	□ ☿ ☽ 7. p	8	3	☊	3
24	d	Quin. Mart.	Virg.	4	21	□ ♄ ♀ 14. p	8	4		4
25	e	Katherine.	Virg.	16	22		8	5		5
26	f	Conradus	Virg.	28	23		8	6		6
27	g	☉ in 5. 21 ♐	Libr.	10	24		8	6		7
28	a	Terme ends	Libr.	23	25	□ ♄ ☽ 9. p	8	7		8
29	b	day 7. 44.	Scorp.	6	26	☌ ♃ ♀ 12 p.	8	8		9
30	c	Andrew Ap.	Scor.	19	27		8	9	☋	10

December hath xxxi. dayes.

New Moone the 2. day, 20. min. after 5. at night.
First Quarter the 9. day, 16. min. past 10. before noone.
Full Moon the 16. day, 3 quarters after 8. at night.
Last Quarter the 25. day, half an houre after 1. in the morn.

1	f	da. 7. h. 40. m	Sagi. 2	28	♂ ☿ ☽ 9. p	8	10	11
2	g	☉ ſet 3. 49.	Sagi. 17	29	♂ ♃ ☽ 6. p	8	11	12
3	a	☉ in 21. 28 ♐	Cap. 1	1	♂ ♃ ☉ 1. p	8	12	13
4	b	Barbara	Cap. 16	2		8	13	14
5	c	Sabina	Aqu. 1	3	♂ ♂ ☽ 9. p	8	13	15
6	d	Nicholas	Aqu. 15	4	♄ 27. 55. ♋	8	13	16
7	e	Ambroſ. Biſh	Aqu. 29.	5	♃ 22. 31. ♐	8	13	17
8	f	Concep. Ma.	Piſc. 14	6	□ ☿ ☽ 8. p	8	13	18
9	g	Joachim	Piſc. 28	7	□ ♂ ☽ 2. a	8	13	19
10	a	Melchiades	Aries 12	8	♂ ♃ ☿ 18. p	8	13	20
11	b	Sol enters ♈	Aries 25	9	□ ♄ ☽ 3. p	8	13	21
12	c	d. 7. h. 34 m	Tau. 9	10	□ ♂ ☽ ♑. p	8	13	22
13	d	Lucie	Tau. 22	11	♂ 13. 9. ♒	8	13	23
14	e	☉ ſet 3. 47.	Gem. 5	12	♀ 8. 58. ♈	8	13	24
15	f	☉ in 3. 44 ♑	Gem. 18	13	♂ ♃ ☽ 12. p	8	13	25
16	g	Ananias	Can. 1	14	♂ ☿ ☽ 2. p	8	13	26
17	a	Lazarus	Can. 13	15	☿ ☊ 10. ♈	8	13	27
18	b	Chriſtopher	Can. 25	16	♂ ♄ ☽ 3. p	8	12	28
19	c	Loth	Leo. 7	17		8	12	29
20	d	Amos	Leo. 19	18	♂ ♂ ☽ 10. p	8	12	30
21	e	Thomas Ap.	Virg. 1	19	♂ ☉ ☿ 11. p	8	11	31
22	f	☉ in 10. 53 ♑	Virg. 13	20	♄ 26. 46. ♋	8	10	Jan.
23	g	☉ ſet 3. 50.	Virg. 25	21	□ ♃ ☽ 2. p	8	10	1653
24	a	d. 7. h. 42. m	Libr. 6	22	♃ 29. 22. ♐	8	9	2
25	b	Nativity Chr.	Libr. 18	23	□ ♀ ☽ 8. p	8	8	3
26	c	Stephen	Scorp. 1	24	□ ♄ ☽ 2. a	8	7	4
27	d	John Evan.	Scor. 14	25	♂ 24. 6. ♒	8	6	5
28	e	Innocents	Scor. 27	26	♂ ♄ ♀ 5. a	8	5	6
29	f	day, 7. 52. m	Sagit. 10	27	♀ 27. 51. ♐	8	4	7
30	g	David	Sagit. 23	28	☿ 24. 18. ♈	8	3	8
31	a	Silveſter	Capr 10	29	♂ ♄ ☿ 2. p	8	2	9

AN ALMINACK FOR THE YEER 1651.

Of the division of the Yeer into foure parts or quarters.

THe year according to *Astronomicall* distribution is divided into four parts or quarters, each quarter severally taking its beginning at such time as that glorious Lampe of light, the never resting Sun cometh to one of the four severall Cardinall points of the Ecliptick, which four points are the two *Equinoctiall* points, and the two *Solstitiall* points.

Spring.

The first quarter *Astronomicall* is the *Spring* quarter: Which taketh its beginng on *Munday* the tenth day of *March* at one of the clock and 56. minutes afternoone. At which instant moment of time, the unwearied Sun having once againe finished his journey through the twelve signes of the *Zodiack*, immediatly without stay begineth his old course againe, entering into the first minute of the *Orientalt Equinoctiall* signe *Aries*, he rising due *East*, and setting due *west*, making day and night of equall length through all the world, excepting under the poles. This quarter continueth untill the *Sun* hath made his progresse through these three vernall signes, *Aries*, *Taurus* and *Gemini*, which journey he accompliſh in 93. dayes, 3. hours 13. minuts, 25. seconds, ending on *Wednesday* the 11. of *June*.

Summer.

The *Summer* quarter initiateth with us according to *Astronomicall* Computation at that moment of time when that great eye of the world the *Sun*, enters into the first minut of the *Æstivall Solstitiall*, or our Summer Tropicall signe *Cancer*, which this year hapneth on *Wednesday* the eleventh day of *June* at five of the clock and nine minuts in the afternoone; his greateſt declination at that time from the *Equinoctiall* towards the *North* (according to the exact Observations of *Tycho Brach*) being 23. degrees 31. minuts. And his Amplitude, at his rising and setting being 39. degrees 52. minuts from the true *East* and *west* points, towards the *North*, which is within lesse then halfe a point of the compasse of the *North-east*, and *North-west*. And having inlightned and inlivened the Northen parts of the world, begins his Journey back againe towards the *South*, to doe the like for them that live on the Southren side of the *Equinoctiall*:

all; the day being 16. houres, 26. minutes in length between *Sun* rising and *Sun* setting. Now is summer season longest dayes and shortest nights to all people inhabiting on the *North* side of the *Equinoctiall*. But is Winter season shortest dayes and longest nights to all such people as inhabit on the *South* side of the *Equinoctiall*: This quarter continueth the space of 93. dayes 14. hours 41. minuts and 30. seconds. In which space of time the *Sun* maketh his way through those three *Æstiviall* signes *Cancer*, *Leo* and *Virgo*, ending on *Saturday* the thirteenth of *September*.

Autumne.

Autumne the third quarter of the yeer alwayes begineth at the *Suns* entrance into the *Dodecatemory* signe *Libra*, into which signe the *Sun* this yeer entreth on *Saturday* the 13. of *September* at 50. minuts past 7. a clock in the morning, making day and night both of an equall length to al the world excepting under the poles. This quarter as it is *Autumne* to us, so it is Spring to our *Antipodes*, and all other Southren Inhabitants, and just so is our Spring *Autumnee* to them: This quarter continueth while the *Sun* is walking through these three signes *Libra*, *Scorpio* and *Sagitarius*, which journey he performeth in 89. dayes 11. hours 43. minuts, ending on *Thursday* the 11. day of *December*.

Winter.

Winter quarter being the fourth and last quarter of the year, Commenceth with us upon *Thursday* the eleventh day of *December* at seven a clock and thirty three minuts afternoone, at which very point of time the Sun maketh his ingresse into the first Scruple of the Hyemale Solstitiall, or Winter Tropicall signe *Capricorne*, being now at his greatest limits or declination towards the South, equall to that in Summer towards the North, *viz.* 23.

degrees 31. minutes of declination, and 39. degrees 52 minuts of Amplitude, at his rising and setting. The length of the day being but seven hours thirty four mi. between the Suns rising and setting: The length of this quarter is 89. dayes and 11. minutes of an houre, in which time the *Sun* walketh through the three last signs of the Zodiack finishing this last quahter and the whole years Revolution on *Tuesday* the nine day of *March* in the succeeding year.

Hence it may appear that the true length of the year is 365. dayes, 5. hours, 48. minutes, 55. seconds. And this is called the Tropicall year, in which time the Sun maketh one whole Revolution through the Zodiack returning to the same point where he began.

Concerning Eclipses.

This year 1651. there will no Eclipse either of Sun or Moone be visible in our Horizon, nor in any part of Europe else. Yet the Sun will suffer two Eclipses seene onely in the most remote South parts of the world: One of them will be on the ninth day of *Aprill*, the other on the fourth day of *October*: But being not visible to us I conceive they concerne us not much, and therefore no more of them to be said. But the next year, *viz.* 1652. we shal be soundly payed for what we have not this year; For in that year we shalt behold three very great Eclipses and terrible, two of the Moone and one of the Sun, and all three of them will be almost Totall Eclipses; besids there will be one more of the Sun not visible to us, and that in like manner almost a totall Eclipse.

Astronomicall Calculations for the present year 1651.

The proceſſe of the Equinoctiall is 28. degrees 57. minuts, and 38 seconds.

The

The Obliquity of the Ecliptick, 23 degrees, 31. minuts 30. seconds.

The excentricity of the Sun is 3586. parts, such parts as the whole Radius is 100000. or 2 degrees, 2. minutes, 48. seconds.

The apparent length of the Tropicall year is 365. dayes, 5. hours, 48. minuts, 55. seconds.

The length of the Sideriall or starry year is 365. dayes, 6. hours 9. minuts 55. seconds.

The *Apogeum* of the *Sun*, according to the observation of *Tycho Brahe* is in 6. degrees, 17. minutes, 29. seconds of *Cancer*.

The Apogeum *of the other Planets are briefly as followeth.*

		De.	Mi.	Se.	
The Apog. of	*Saturne*	27.	36.	6.	of *Sagitarius*.
	Jupiter	8.	27.	5.	of *Libra*.
	Mars	29.	56.	27.	of *Leo*.
	Venus	0.	46.	0.	of *Cancer*.
	Mercury	2.	11.	26.	of *Sagitarius*.

The distance of the seven Planets from the earth, as they are in their meane motion.

Saturne	Is distant from the earth	9073000.	Miles.
Jupiter		3431400.	
Mars		1500700.	
Sol		989000.	
Luna		48760.	

Venus and *Mercury* are distant as is the Sun.

Of Measures of Longitude.

All measures of Longitude or length are deduced from

Barly Cornes, for three Barly Cornes makes an Inch, twelve Inches make one foot, three foot makes one yard, five yards and an halfe, that is sixteen foot and an halfe make one Statule Pole, Perch or Rod, in use for mesuring of land, and great lengths; as Furlongs miles, &c. For forty Perches make a Furlong, and eight Furlongs make one English mile, hence it followeth that in a miles length are contayned Perches thirty two, Paces 1056. Els 1408. Yards 1760 Feet 5280. Inches 63360. And Barly Cornes 190080.

In a perfect square being one Perch every way is contained of square yards $30\frac{1}{4}$. square feet $272\frac{1}{4}$. and of square Inches 39204. and in one Acre of Land are contained of such square Perches 160. square yeards 4840. square Feet 43560. Inches 6272640.

The side of an Acre of Land drawne into a perfect squre is twelve Perches, 10. Foot $8\frac{1}{2}$. Inches and 479. parts of halfe an Inch into 10019. divided.

In a plot of land that is a mile square is contained 640. Acres of land. And of square yards 3097600. and square feet 27878400. and of square inches 3914389600.

The Circumference of the Earth & Sea joyntly, according to the old vulgar accompt is 21600. mil. and the diameter of it $6875\frac{8}{11}$. imil. In the whole superficies of the Earth & Sea are $148450909\frac{8}{11}$: & in the whol Globe of it 1700437685 95. cubick mil. But by the diligent observations and measurations of our Country man M. *Norwood*, the Circumference of the Earthly Globe is proved to be 25036. mil. and the diameter 7966. mil. and its Semidiameter 3983. mil. according to our english mesurations.

The Dimensions of England *and the adjacent* ISLANDS.

The length of *England* under one Meridian from South to North is 386. mil. The broadest place from the lands end to *Sandwich* is 279. mil. The next broadest place of

England

England is 240. mil. which is betweene Saint *Davids* in the West in *Penbrook* shier, and *Yarmouth* in the East. And the whol Compasse of *England* is 1531. mil.

The length of *Freland* North and South is 303. miles.

The greatest breath thereof East and West is 113. mil.

The whole Compasse rejecting the adjacent Ilands and lone Indrafts is 948. miles.

The greatest length of *Scotland* South and North is 280. mil. And the breath East and West is 165. mil. and the whole Compasse is 1100. miles.

The *Isle* of *Man* is in length 28. mil. in breath 18. mil. and in Compasse 91. miles.

The *Isle of Anglesea* is in length 21. mil. in breath 18. mil. in Compasse 85. miles.

The *Isle of wight* is in length 22. mil. in breadth 11. mil. and in Compasse 57 miles.

The *Isle of Garnsey* is in length 13 mil. in breath 9 mil. and the whol circumference is 36 mi. The *Isle* of *Jersey* is in length 10. mil. In breadth 6 mil. and in compasse 38. mi.

Other notes fitting to be knowne.

Note that sixty minuts make an hour, thirty minuts make half an houre, forty five mi. make three quarters of an hour, and fifteen minuts make a quarter of an hour.

Three miles make one league, and twenty leagues or sixty miles make one degree of a great Circle.

Every great Circle be it reckoned either on the Earth or in the Heaven, is divided into 360. degrees; therefore one degree is the 360. part of an whole Circle, be it great or little.

Every degree is divided into sixty minutes. Every mi. is divided into sixty seconds, and every second into sixty thirds, &c.

Therefore thirty minuts make halfe a degree. And

fifteen

fifteen minuts make a quarter of a degree, and forty five minuts make three quarters of a degree.

In like manner thirty seconds make halfe a minut, and forty five seconds make three quarters of a minut, and fifteen seconds make a quarter of a minute, &c.

The Explanation and use of the Table of Interest here following of eight pounds in the hundred.

IF you desire to know what Intrest is due upon any sum of money for a year or any time under, by the Table following, you may readily know it after this manner; seek the Principall or sum of money on the side of the Table, and the time on the head, and in the Common Angle or place of meeting, you have the sum of the Intrest due upon that sum, and for that time you desire, in pounds, shillings, pence, and part of pence: Note here that 25 of those parts make a peny.

Example; I would know what intrest is due upon seven pounds for five months, therefore seek 1 for seven on the left hand of the first Table, where it is titled with pounds, and from that seven I guide my eye in a right line, untill I come under five, the number of moneths, and in the common angle, or place of meeting, I finde four shillings eight pence, which is the just Intrest due for seven pounds in five months.

Again, I would know what intrest is due upon seventeen pounds for five months, I enter the Table with ten pounds, in the part for pounds, and under five moneths in the place of meeting, I finde six shillings eight pence; this six shillings eight pence, and the four shillings eight pence, afore-found to be due for seven pounds in the same time of five moneths together, make eleven shillings

four

four pence, which is the intereſt due upon ſeventeen pounds for five moneths.

Again, I would know what intereſt is due upon ſeventeen ſhillings for eight moneths, therefore I ſeek in the Table, in the part for ſhillings, and againſt ten ſhillings is ſix pence, and ten parts of a peny, and againſt ſeven ſhillings I finde four pence, and twelve parts of a peny, theſe two ſums, ſix pence and ten parts, and four pence and twelve parts; I adde together, and they make ten pence, and twenty two parts of a peny: ſuch parts I mean whereof the whole peny is divided into twenty five parts; ſo I conclude, that the intereſt due upon ſeventeen ſhillings for eight moneths, is ten pence, and twenty two parts of a peny.

A Perfect Table of Intrest, of money from one of eight in the hundred, by the yeer, from

	I. Moneths			II. Moneths			III. Moneths			IIII. Moneths			V. Moneths			VI. Moneths		
Shillin.	sh.	d.	pa.	sh.	d.	pa.	sh.	d.	pa.	sh.	d.	pa.	sh.	d.	pa.	sh.	d.	pa.
1	0	0	2	0	0	4	0	0	6	0	0	8	0	0	10	0	0	12
2	0	0	4	0	0	8	0	0	12	0	0	16	0	0	20	0	0	24
3	0	0	6	0	0	12	0	0	18	0	0	24	0	1	5	0	1	11
4	0	0	8	0	0	16	0	0	24	0	1	7	0	1	5	0	1	23
5	0	0	10	0	0	20	0	1	5	0	1	15	0	2	0	0	2	10
6	0	0	12	0	0	24	0	1	11	0	1	23	0	2	10	0	2	22
7	0	0	14	0	1	3	0	1	17	0	2	6	0	2	20	0	3	9
8	0	0	16	0	1	7	0	1	23	0	2	14	0	3	5	0	3	21
9	0	0	18	0	1	11	0	2	4	0	2	22	0	3	15	0	4	8
10	0	0	20	0	1	15	0	2	1	0	3	5	0	4	0	0	4	20
Ponds																		
1	0	1	15	0	3	5	0	4	20	0	6	10	0	8	0	0	9	15
2	0	3	5	0	6	10	0	9	15	1	0	20	1	4	0	1	7	5
3	0	4	20	0	9	15	1	2	10	1	7	5	2	0	0	2	4	20
4	0	6	10	0	12	20	1	7	5	2	1	15	2	8	0	3	2	10
5	0	8	0	1	4	0	2	0	0	2	8	0	3	4	0	4	0	0
6	0	9	15	1	7	5	2	4	20	3	2	10	4	0	0	4	9	15
7	0	11	5	1	10	10	2	9	15	3	8	2	4	8	0	5	7	5
8	1	0	20	2	1	15	3	2	10	4	3	5	5	4	0	6	4	20
9	1	2	10	2	4	20	3	7	5	4	9	15	6	0	0	7	2	10
Ten of Pounds	li.	sh.	d.	li.	sh.	d.	li.	sh.	d.	li.	sh.	d.	li.	sh.	d.	li.	sh.	d.
10	0	1	4	0	2	8	0	4	0	0	5	4	0	6	8	0	8	0
20	0	2	8	0	5	4	0	8	0	0	10	8	0	13	4	0	16	0
30	0	4	0	0	8	0	0	12	0	0	16	0	1	0	0	1	4	0
40	0	5	4	0	10	8	0	16	0	1	4	0	1	6	8	1	12	0
50	0	6	8	0	13	4	1	0	0	1	6	8	1	13	4	2	0	0
60	0	8	0	0	16	0	1	4	0	1	12	0	2	0	0	2	8	0
70	0	9	4	0	18	8	1	8	0	1	17	4	2	6	8	2	16	0
80	0	10	8	1	1	4	1	12	0	2	2	8	2	13	4	3	4	0
90	0	12	0	1	4	0	1	16	0	2	8	0	3	0	0	3	12	0
100	0	13	4	1	6	8	2	0	0	2	13	4	3	6	8	4	0	0

	VII. Moneths			VIII. Moneths			IX. Moneths			X. Moneths			XI. Moneths			XII. Moneths		
Shilin.	ſh.	d.	pa.	ſh.	d.	pa.	ſh.	d.	pa	ſh.	d.	pa	ſh.	d.	pa	ſh.	d.	pa.
1	0	0	14	0	0	16	0	0	18	0	0	20	0	0	22	0	0	24
2	0	1	3	0	1	7	0	1	11	0	1	15	0	1	19	0	1	23
4	0	1	17	0	1	23	0	2	4	0	2	10	0	2	16	0	2	22
4	0	2	6	0	2	14	0	2	22	0	3	5	0	3	13	0	3	21
5	0	2	20	0	3	5	0	3	17	0	4	0	0	4	10	0	4	20
6	0	3	9	0	3	21	0	4	8	0	4	20	0	5	7	0	5	19
7	0	3	23	0	4	12	0	5	1	0	5	15	0	6	4	0	6	18
8	0	4	12	0	5	3	0	5	19	0	6	10	0	7	1	0	7	17
9	0	5	1	0	5	19	0	6	12	0	7	5	0	7	23	0	8	16
10	0	5	15	0	6	10	0	7	5	0	8	0	0	8	20	0	9	15
Pound																		
1	0	11	5	1	0	20	1	2	10	1	4	0	1	5	15	1	7	5
2	1	10	10	2	1	15	2	4	20	2	8	0	2	11	5	3	2	10
3	2	9	15	3	2	10	3	7	5	4	0	0	4	4	20	4	9	15
4	3	8	20	4	3	5	4	9	15	5	4	0	5	10	10	6	4	20
5	4	8	0	5	4	0	6	0	0	6	8	0	7	4	0	8	0	0
6	5	7	5	6	4	20	7	2	10	8	0	0	8	9	15	9	7	5
7	6	6	10	7	5	15	8	4	20	9	4	0	10	3	5	11	2	10
8	7	5	15	8	6	10	9	7	5	10	8	0	11	8	20	12	9	15
9	8	4	20	9	7	5	10	6	15	12	0	0	13	2	10	14	4	20
Ten of Pound.	li.	ſh.	d.	li.	ſh.	d.	li.	ſh.	d.	li.	ſh.	d.	li.	ſh.	d.	li.	ſh.	d.
10	0	9	4	0	10	8	0	12	0	0	13	4	0	14	8	0	16	0
20	0	18	8	1	1	4	1	4	0	1	6	8	1	9	4	1	12	0
30	1	8	0	1	12	0	1	16	0	2	0	0	2	4	0	2	8	0
40	1	17	4	2	2	8	2	8	0	2	13	4	2	18	8	3	4	0
50	2	6	8	2	13	4	3	0	0	3	6	8	3	13	4	4	0	0
60	2	16	0	3	4	0	3	12	0	4	0	0	4	8	0	4	18	0
70	3	5	4	3	14	8	4	4	0	4	13	4	5	2	8	5	12	0
80	3	14	8	4	5	4	4	16	0	5	6	8	5	17	4	6	8	0
90	4	4	0	4	16	0	5	8	0	6	0	0	6	12	0	7	4	0
100	4	13	4	5	6	8	6	0	0	6	13	4	7	6	8	8	0	0

A brief Chronology of divers memorable things since the birth of *Christ*, shewing in what yeer they happened, and how long it is since, to this yeer 1651.

	yeers of Christ.	yeers since.
CHrist *was Borne*	1	1651
Christ *suffered death upon the Crosse*	33	1618
Paul *converted, and* Stephen *stoned*	34	1617
Agrippa *eaten up of wormes*	45	1606
Saint John *writ his Gospell*	57	1594
Rome *was burnt by command of* Nero	61	1590
Joseph *of Arimathie came into England*	63	1588
Jerusalem *destroyed by* Titus	70	1581
John *writ his Revelation in* Patmos	95	1556
England *first received the Christian faith*	177	1474
Scotland *first received the Christian faith*	203	1448
Constantine *the first Christian* Emperour	324	1327
The first generall Counsell	325	1326
The Tower of London *built*	569	1082
Clocks *and Dials first set up in Churches*	606	1044
Cambridge *was made a Universitie*	635	1016
England *first divided into Parishes*	636	1015
Egbrichus *made* England *first a Monarchy*	802	849
The Dains *first came into* England	1018	633
Westminster *hall built*	1100	551
The Conquest of England *by Duke* William	1066	585
Jerusalem *taken by the* Turkes	1010	641
Godfry *of* Bollen *takes it from them*	1099	552
Pauls *Church in* London *built*	1086	565
The Bible *first divided into Chapters*	1195	456
London *Bridge built with stone*	1209	442
The first Mayor of London	1190	461
The Order of the Garter in stituted	1344	307
A Frost from mid September *till* Aprill	1364	287
Guns *were invented*	1380	271
Printing *was invented*	1440	211

Martin Luther *first opposed the* Pope	1517	134
King Henry 8 *conquers* Bulloign	1544	107
The Register Bookes began in every Parish	1538	113
A contagious sweating sickneſſe	1551	100
Coaches *first used in* England	1555	96
Pauls Steeple *first fired by Lightning*	1562	89
The Royal Exchange in London *built*	1565	86
The Plague at New-haven	1563	88
The Rebellion in the North	1569	82
The Maſſacre of Proteſtants at Paris	1572	79
A great Blazing Starre	1577	74
A great Snow fell February *the* 4	1578	73
The generall Earth-quake in England	1580	71
The Calender Reformed beyond the ſeas	1582	69
Tylbury *Campe on Saint* James *day*	1588	63
A voyage to Cadiz	1596	55
A Plague in London *whereof died* 30578	1603	48
The Gunpowder treaſon, November 5.	1605	46
The Plantation in Virginia *began*	1606	45
The laſt great froſt	1607	44
The New Exchange built	1612	39
The laſt great Snow, and Smithfield *paved*	1615	36
Suttons *hoſpitall formed*	1614	37
The laſt great blazing Starre	1618	33
The downefall in Blackfryers	1632	29
A plague in London *whereof died* 35418.	1625	26
The voyage to the Ile of Rea	1627	25
The Plantation began in New-England	1630	21
The great fire on London *Bridge*, Feb. 11.	1632	19
A great Plague in Cambridge	1630	21
Pauls *Church began to be Repaired*	1634	17
Thomas Parre *dicd being aged* 152. *yeers*	1635	16
The fight at Edge-hill, October 23.	1642	9
The fight at Naſeby, June 14.	1645	6
A generall Earth-quake at and about Moncaſter *in* Cumberland November 5.	1648	3

A Table of the Assize of Bread, according to TROY Weight.

Price of Wheat.		Penny white Bredd.			Penny Wheaten Loafe.			Penny Houshold Loafe.		
s.	p.	l.	o	p.	l.	o	p.	l.	o	p.
3	6	0	9	19	1	2	18	1	7	21
3	9	0	9	8	1	2	0	1	6	16
4	0	0	8	18	1	1	7	1	5	16
4	3	0	8	9	1	0	13	1	4	18
4	6	0	8	1	1	0	0	1	4	2
4	9	0	7	13	0	11	10	1	3	7
5	0	0	7	7	0	11	0	1	2	17
5	3	0	7	1	0	10	11	1	2	2
5	6	0	6	15	0	10	2	1	1	10
5	9	0	6	10	0	9	15	1	1	0
6	0	0	6	5	0	9	7	1	0	10
6	3	0	6	0	0	9	1	1	0	0
6	6	0	5	16	0	8	15	0	11	13
6	9	0	5	12	0	8	9	0	11	5
7	0	0	5	9	0	8	3	0	10	18
7	3	0	5	5	0	7	18	0	10	11
7	6	0	5	2	0	7	13	0	10	5
7	9	0	4	19	0	7	9	0	9	19
8	0	0	4	16	0	7	5	0	9	13
8	3	0	4	14	0	7	1	0	9	8
8	6	0	4	11	0	6	17	0	9	2
8	9	0	4	9	0	6	13	0	8	18
9	0	0	4	6	0	6	10	0	8	13
9	3	0	4	4	0	6	6	0	8	9
9	6	0	4	2	0	6	3	0	8	5
9	9	0	4	0	0	6	0	0	8	1
10	0	0	3	18	0	5	18	0	7	17
10	6	0	3	15	0	5	12	0	7	10
11	0	0	3	12	0	5	8	0	7	4
11	6	0	3	9	0	5	3	0	6	18
12	0	0	3	5	0	5	0	0	6	12

A Table

A Table of the Assise of Bread, according to HAVOIRDUPOIS Weight.

Price of Wheat.		Peny White Bread.			Peny Wheaten Bread.			Peny Houshold Bread.		
s.	p.	l.	o	d	l.	o	d	l.	o	d.
5	6	0	11	0	1	0	2	1	5	6
5	9	0	10	2	0	15	3	1	4	4
3	0	0	9	6	0	14	5	1	3	4
4	3	0	9	2	0	13	7	1	2	4
4	6	0	8	6	0	13	1	1	1	5
4	9	0	8	3	0	12	5	1	0	6
5	0	0	8	0	0	12	0	1	0	0
5	3	0	7	5	0	11	4	0	15	3
5	6	0	7	3	0	11	1	0	14	6
5	9	0	7	1	0	10	5	0	14	2
6	0	0	6	7	0	10	2	0	13	5
6	3	0	6	5	0	9	7	0	13	2
6	6	0	6	2	0	9	4	0	12	6
6	9	0	6	1	0	9	2	0	12	2
7	0	0	5	7	0	8	7	0	11	7
7	3	0	5	6	0	8	5	0	11	4
7	6	0	5	4	0	8	3	0	11	1
7	9	0	5	3	0	8	1	0	10	7
8	0	0	5	2	0	7	7	0	10	4
8	3	0	5	1	0	7	5	0	10	2
8	6	0	5	0	0	7	4	0	10	0
8	9	0	4	7	0	7	2	0	9	6
9	0	0	4	6	0	7	0	0	9	4
9	3	0	4	5	0	6	7	0	9	2
9	6	0	4	4	0	6	6	0	9	0
9	9	0	4	3	0	6	4	0	8	6
10	0	0	4	2	0	6	3	0	8	4
10	6	0	4	0	0	6	1	0	8	1
11	0	0	3	7	0	5	7	0	7	7
11	6	0	3	6	0	5	5	0	7	4
12	0	0	3	5	0	5	4	0	7	2

The use and Explanation of these Tables of the Assise of Bread.

THe first table on the left hand sheweth the *Assise* or weight of bread by *Troy* weight. The other table on the right hand page, sheweth the weight of bread by *Havoirdupois* weight, answerable to the severall prizes of wheat from 3. shilling and 6. pence a bushell to 12. shillings a bushell, increasing by 3. pence a bushell. Each table consisteth of 4. Columnes. The first Culumn containeth the price of wheat, the other 3. Columns containe the weight of the 3. sorts of peny bread, appointed to be made by the ancient Lawes of this Commonweath; The first of the 3. containing the weight of the peny white loafe. The next, the weight of the penny wheaten loafe. The last, the weight of the penny house-hold loafe. As for Example, If the price of wheat be 5 s. 6 d. a bushell, the penny white loafe must weigh by *Troy* weight, o. l. 6. Ounces 15 peny weight. The peny wheaten loafe 10. ounces, 2. penny weight. And the penny hous-hold loafe 1. l. 1. ounce 10. penny weight. And in the right-hand table of *Havoirdupois* weight, the penny white loafe at the same price, ought to weigh 7. ounces 3. drams. The peny wheaten 1. onuces 1. dram. And the penny hous-hold loafe 14. ounces, 6. drams of the same *Havoirdupois* weight, and so of any other price.

The weight of halfe penny bread, and 2. penny or 3. penny bread. The one may be known by taking halfe the weight of penny bread, and the other by doubling or tribling the weight of the same, &c.

Although *Troy* weight be the onely weight appointed to weigh Bread, yet because those weights are not so common in all mens hands as *Havoirdupois* weights are, Therefore is this table of the weight of Bread by *Havoir-*

dupois

dupois weight: Composed, (for the generall good) agreeing exactly with *Troy* weight, as by triall it will appeare.

Of *Troy* weight, the pound is divided into 12. Ounces, the ounce into 20. penny weight: And every penny weight into 24 grains of *Havoirdupois* weight; the pound is divided into 16. ounces, and every ounce into eight drams.

The difference betweene these two weights is this, 1.li. 1.ounces and an halfe, and 2.penny weight *Troy*, is equall in weight to one pound *Havoirdupois*; And 73. pound *Troy* is equall to 60. l. *Havoirdupois*; And although the pound *Troy* is lighter then the pound *Havoirdupois*, yet the ounce *Troy* is heavier then the ounce *Havoirdupois*, for 73. ounces *Troy* are equall in weight with 80. ounces *Havoirdupois*.

These Tables are Composed for the weight of Bread made in Cities, Borough and Townes Corporate: Now for such Bakers as live in the Country, the law alloweth not so much profit for baking a quarter of Wheat, by two shillin. as it alloweth to such Bakers at live in Cities, &c. their Wheat being both of one price; the true weight of such Bakers bread may be readily found by these Tables in this manner: When the price of Wheat is 5. s. a bushel, the Country Bakers is to make his bread of such a weight as is answerable to 4.s.9 d. a bushel, which the table sheweth, that the weight of the penny white loafe must be 7. ounces 13. penny weight, and the penny wheaten bread 11. ounces 10. penny weight, and the penny houshold 11. 3. ounces, 7. penny weight of *Troy* weight; and of *Havoirdupois* weight the penny white bread is to weigh 8. ounces 3. drams; the penny wheaten 12. ounces 5. drams, and the penny houshold 1. li. 6. d. weight, and so of any other. These tables were exactly Calculated by *Arithmeticall* Computation, and not taken out of the old common *Assise* Booke which is erroneous in many places.

The Names of the Places.	point of compaſſe.
Southampton, Quinborow, Portſmouth, Iſle of Wight, Bechy, the Spiis, Kenti. Knock	*S. and N.*
Rocheſter, Maldon, Aberdan, Redban, Blacktaile weſtend of the Nowre.	*S. by W.*
Graveſ-end, Downes, Rumney, Tenet, Silly Halfe-tide, Blackneſſe, Ramkins.	*S. S. W.*
Dunde, St. Andrewes, Lysborne, St. Lucas, Bell Iſle, Holy Iſle.	*S. W. by S.*
London, Tynmouth, Hartlepool, White-Bay, Amſterdam, Gaſcoign, Britain, Galiza.	*S. W.*
Barwick, Flamborough-head, Bridlington-bay, Oſtend, Fluſhing, Burdeaux, Fountneſſe.	*S. W. by W*
Scarborow quart-tide, Lawrenas, Mounris-bay, Severn, Calice, Kingſaile, Dungarum.	*W. S. W.*
Falmouth, Foy, Humber, Mooneles, Newcaſtle Dartmouth, Torbay, Garnſey, Caldy, St. Mallowes.	*W. by S.*
Plymouth, Way-mouth, Hull, Lin, Lundy, Antwarp, Holmes of Briſtol, Davids-head, Concalo.	*E. and W.*
Briſtol, Foulnes, at the Start.	*W. by N.*
Milford, Bridgewater, Exwater, Landſend, Waterford, Cap-cleere, Abermorick.	*E. S. E.*
Portland, Peeterport, Harſtew, Hague, Dublin, Lambay, Saint, Magnes-ſound, Mack nels Caſtle-	*S. E. by E.*
Poole, St. Hellen, Man Iſle, Catnes, Orkney Dunbar, Dieppe a halfe tide, Faire Iſle, Baſſe Iſland, the Casquers, Kildiene	*S. E.*
Needles, Oxford, Layſto, South & North fore lands.	*S. E. by S.*
Yarmouth, Dover, Harwich, the Frith, Bullin Saint John de Luce, Calice Road,	*S. S W.*
Rye, Winchelſey, Gorend, Thames, Rhodes, Faire Iſle.	*S. by E.*

and at what houre and minute, in most of the prin-
neere about England.

the ☽ ag		incr.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
		deer.	16	17	18	16	20	21	22	23	24	25	26	27	28	29	30
1	hou.		12	1	2	3	4	4	5	6	7	8	8	6	10	11	12
	min.		48	36	24	12	0	48	36	24	12	0	48	36	24	12	0
2	hou.		1	2	3	3	4	5	6	7	7	8	9	10	11	11	12
	min.		33	21	9	57	45	33	21	9	57	45	33	21	9	57	45
3	hou.		2	3	3	4	5	6	7	7	8	9	10	11	11	12	1
	min.		18	6	54	42	30	18	6	54	42	30	18	6	54	42	30
4	hou.		3	3	4	5	6	7	7	8	9	10	11	11	12	1	2
	min.		3	51	39	27	15	3	51	39	27	15	3	51	39	27	15
5	hou.		3	4	5	6	7	7	8	9	10	11	11	12	1	2	3
	min.		48	36	24	12	0	48	36	24	12	0	48	36	24	12	0
6	hou.		4	5	6	6	7	8	9	10	10	11	12	1	2	2	3
	min.		33	21	9	57	45	33	21	9	57	45	33	21	9	57	45
7	hou.		5	6	6	7	8	9	10	10	11	12	1	2	2	3	4
	min.		18	6	54	42	30	18	6	54	42	30	18	6	54	42	30
8	hou.		6	6	7	8	9	10	10	11	12	1	2	2	3	4	5
	min.		3	51	39	27	15	3	51	39	27	15	3	51	39	27	15
9	hou.		6	7	8	9	10	10	11	12	1	2	2	3	4	5	6
	min.		48	36	24	12	0	48	36	24	12	0	48	36	24	12	0
10	hou.		7	8	9	9	10	11	12	1	1	2	3	4		5	6
	min.		33	21	9	57	45	33	21	9	57	45	33	21	9	57	45
11	hou.		8	9	9	10	11	12	1	1	2	3	4	5	5	6	7
	min.		18	6	54	42	30	18	6	54	42	30	18	6	54	42	30
12	hou.		9	9	10	11	12	1	1	2	3	4	5	5	6	7	8
	min.		3	51	39	27	15	3	51	39	27	15	3	51	39	27	15
13	hou.		9	10	11	12	1	1	2	3	4	5	5	9	7	8	9
	min.		48	36	24	12	0	18	36	24	12	0	48	36	24	12	0
14	hou.		10	11	12	12	1	2	3	4	4	5	6	7	8	8	9
	min.		33	21	9	57	45	33	21	9	57	45	33	21	9	57	45
15	hou.		11	12	12	1	2	3	4	4	5	6	7	8	8	9	10
	min.		18	6	54	42	30	18	6	54	42	30	18	6	54	42	30
16	hou.		12	12	1	2	3	4	4	5	6	7	8	8	9	10	11
	min.		3	51	39	27	15	3	51	39	27	15	3	51	39	27	15

IN the firſt of theſe two Tables are ſet downe the names of ſeveral of the principal Havens and Ports in & about *England*, & at the right hand of the Table after the names of the places is ſet the point of the Compaſſe (repreſented by letters) which the *Moone* is upon when it is full ſea at thoſe places, and at the beginning of the lines on the left hand of the Table are ſet numbers from 1. to 16. which may be called the *Index* of the places in thoſe lines named. And in the other Table on the head thereof is ſet down in two lines the *Moons* age, and on the left hand of the Table are firſt ſet the 16. *Index* numbers of the former Table: Againſt theſe *Index* numbers are two lines of numbers, the uppermoſt line of which lines are hours, and the lowermoſt minuts: the joynt uſe of theſe two Tables is thus by example:

The 6. day of *January* this year 1651. I would know the time of full ſea at *London*; firſt I note in the calender that the *Moon* is that day 14. dayes old, next I look in the firſt Table for *London*, & there I finde its *Index* number to be 5, & at the other end of the line, I find that a *Southweſt Moon* makes a ful ſea there, then I come to this latter Table, & there I look the *Moons* age 14 in the head or upper lines of the table, & 5. the *Index* number on the left ſide, and in the common meeting, I finde 2. hours 12. min. therefore at 12. m. paſt two a clock it is full ſea at *London* the 6. of *Jan.* 1651. And at the ſame time it is full ſea at *Tinmouth*, *Hartlepole*, and the reſt of the places, in thoſe lines belonging to the *Index* number 5. Alſo the Table ſheweth that the ſame 6. day of *Jan.* it is full ſea at *Dublin* by a *South-eaſt* by eaſt *Moon*, at 24. m. paſt 7 a clock, and ſo of any other places. But the Tides do not fall out alwayes exactly at the time in the Table ſet downe, for many times by reaſon of great winds, land-floods, but eſpecially by reaſon of the *Moons* latitude, the Tide doth ſometime differ ſomewhat from the time herein ſhewed.

A

A Table, shewing the quantity of the Moons shining, and time of her coming South, whereby may be had the hour of the Night.

The ☽ age for her shining.		The ☽ shining and Southing.		The ☽ age for her Southing.	
H.	M.	H.	M.	H.	M.
1	29	12	48	1	16
2	28	1	36	2	17
3	27	2	24	3	18
4	26	3	12	4	19
5	25	4	0	5	20
6	24	4	48	6	21
7	23	5	36	7	22
8	22	6	24	8	23
9	21	7	12	9	24
10	20	8	0	10	25
11	19	8	48	11	26
12	18	9	36	12	27
13	17	10	24	13	28
14	16	11	12	14	29
15	15	12	0	15	30

The Use of this Table to finde the Moons shining and Southing.

Looke the Moones age in the first column on the left hand, and against it in the middle column is the quantity or time of her shining. as when the *Moon* is 8. dayes old, or 22. dayes. old, the middle column sheweth that shee shineth 6. hours 24. min.

But to finde the time of the *Moons* comming *south*, looke her age in the third culumne, and in the middle against her age, is the time of her Southing; & this you shal find that when the *Moon* is 8. dayes old, or 23. dayes old, shee cometh to *south* at 6. a clock and 24. mi.

To know what a Clock it is by the Moon.

LOok upon any *Sun-dyall*, and see what a clock it is by the shaddow of the *Moon*, as if it were the *Sun*, observing onely how much it wanteth of 12. or past 12, for so much it wanteth, or is past the houre and min. of the *moons* coming south, and having the age of the *Moon* for that day you have also by this table her coming south: for Example, upon a certaine day I looked upon a Sundial, saw the

the *Moon* caſt a ſhaddow at a 11. a clocke, therefore the hour of the night is one hour leſſe then the houre of the *Moons* coming ſouth. The *Moon* at that time was 10. dayes old, and therefore by this table ſhe came to the South at 8. a clock: Now becauſe the *Moon* caſt a ſhaddow at 11. a clock, which wanteth one hour of 12. and therfore 1. hour of the time of the *Moons* coming South, which is at 8. a clock; I thereupon concluded that it is 7. a clocke at that preſent time. Note that before the full *Moon*, ſhee commeth South in the evening, and after the full in the Morning.

To finde the Moons *riſing and ſetting.*

During the time of the *Moons* increaſe (which is untill ſhe be 15 dayes old:) Adde the quantitie of her ſhining to the time of *Sunriſing*, the ſame thereof is the *Moons* riſing. And add the ſame quantity of her ſhining, to the time of the ſun ſetting, and that ſame ſo added together is the time of the *Moons* ſetting.

But after the full *Moon*, work contrary, that is, Subſtract the time of the *Moons* ſhining from the time of the Sunriſing, the remainder is the time of her riſing. And for her ſetting Subſtract the time of her ſhining from the time of the Sun-ſetting, the remainder is her ſetting: If at any time Subſtraction cannot be made, then borrow 12. and work as before.

Generall Prediction of the Weather.

For that many men in theſe Annuall Bookes looke much after Predictions of the weather, and in their choice of Almanacks will chooſe thoſe that ſpeak (as they ſay) of the weather (although there be nothing in them worth the peruſall of an Ingenious eye) rather then ſuch as treat

reat of moſt uſefull and neceſſary things. Therefore to give ſome Satisfaction to ſuch people, I will ſpend this laſt leafe, in delivering briefly ſome generall rules, by which every man of himſelfe by help of the ſixt culumne of my Almanack, may Judge of the alteration of the weather, for there are the moſt powerfull Aſpects of the Planets ſet downe; which found there, and then the ſame ſought here, you ſhall ſee what weather is like to inſue; As on the 11. day of *February* is a ☌ of ♂ and ☿ in ♓, which Aſpects ſought here, I finde ſignifieth raine; therefore I conclude that on or about the 11. day of *February* it is likly to be ſome wet-wether, &c.

The ☌ of ♄ and ♃ in ♈♌ or ♐ cauſeth great drought. If in ♋♏ or ♓, continuall raine floods, and generall overflowings: But if in ♊♎ or ♒ winds, the □ ☍ or ☍ of ♄ and ♃ in ♊♎ and ♒, cauſeth troubled ayre, hayle, wind, raine, and thunder.

The ☌ □ or ☍ of ♄ and ♂ in ♋♏ and ♓, in ſummer, brings rain and ſhowers, with hayle, thunder & lightning.

The ☌ □ or ☍ of ♄ and ☉, in ♉♍ or ♑, cauſeth darke weather, hayle, raine and cold.

The ☌ □ or ☍ of ♄ and ♀ in ♋♏ or ♓ in winter time engenders cold and raine, in ſummer mitigation of heat.

The ☌ □ or ☍ of ♄ and ☿ in ♋♏ or ♓ brings raine; But in ♈♌ or ♐ it brings drought; if it be in ſummer, thunder, lightning and tempeſt.

The ☌ □ or ☍ of ♃ and ♂ in ♊♎ or ♒ in ſummer-time, declareth thunder, lightning and raine; But in ♋♏ or ♓ in winter, ſnow or cloudy thick weather.

The ☌ □ or ☍ of ♃ & ☉, bring great & vehement winds.

The ☌ □ or ☍ of ♃ and ♀ in ♋♏ and ♓, bringeth cold miſling weather, In ♈♌ or ♐ faire weather.

The ☌ □ or ☍ of ♃ and ☿, bringeth great winds.

The ☌ □ or ☍ of ♂ and ☉ in ♈♌ or ♐, cauſeth dry weather and drought; But in ♋♏ or ♓, thunder & raine.

The ☌ □ or ☍ of ♂ and ♀ in ♋♊♎ or ♒, bringeth raine, tempeſt.

The

The ☌ □ or ☍ of ♂ and ☿ in ♈ ♌ or ♐, bringeth heat and drought; But in ♋ ♏ or ♓, it bringeth raine, and in ♊ ♎ or ♒, it causeth ſudden fierce winds, or thunder and lightning.

The ☌ □ or ☍ of ♀ and ☿ in ♋ ♏ or ♓ in ſummer time cauſeth raine, and ſometime it provoketh tempeſt.

The ☌ □ or ☍ of ☽ with ♄ in ♋ ♏ or ♓, bringeth Cloudy cold ayre, and moyſt, if ſhe apply from ♄ to ♂ by a ☌ or otherwiſe, then harder weather enſueth.

The ☌ □ or ☍ of ☽ with ♃ in ♈ or ♏, ſheweth faire weather, with white Cloudes diſperſed.

The ☌ □ or ☍ of ☽ and ♂ in ♋ ♏ or ♓ bringeth rain. In ♈ ♌ or ♐ dry clouds of diverſe colours are made, and if it be in ſummer then oftentimes thunder.

The ☌ □ or ☍ of ☾ and ☉ in ♊ ♎ ♒, or in ♋ ♏ or ♓ brings raine, and ſo much the more if ☽ go from ☉ to ☾.

The ☌ □ or ☍ of ☾ and ♀ in ♊ ♎ or ♒. brings raine in ſummer, and in ♋ ♏ or ♓ it brings ſnow or cold raine in winter; and if the ☾ goe from ♀ to ♂, it cauſeth variety and change of weater, very unſetled.

The ☌ □ or ☍ of ☾ and ☿ in ♊ ♎ or ♒ ſheweth raine and wind to follow, and the more quicke the ☾ paſſe from ☿ to ♃ the greater winds follow.

Note that what is ſaid of the ☌ □ or ☍, the ſame is to be underſtood of the ⚹ and △ *Aſpects*, but they are of leſſe ſignification then the former, working their effects more weakly, as it hath bin obſerved.

Theſe are ſome of the generall rules by the ancient Learned *Aſtrologers*, left unto us, whereby we Judg of the change of Weather, upon which things I could farre inlarge my ſelfe, but having filled up my allowance of Paper, I muſt conclude for this year, remaining the Readers as he pleaſeth to cenſure me.

May 7. 1650.

S. P.

FINIS.